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Technology Center 2600

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Kim, et al.) Group Art Unit 2613
)
Appl. No. : 10/092,345)
)
Filed : March 5, 2002)
)
For : SYSTEMS AND METHODS)
FOR REDUCING FRAME)
RATES IN A VIDEO DATA)
STREAM)
Examiner : Unknown

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

United States Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

Dear Sir:

Enclosed is form PTO-1449 listing 18 references that are also enclosed. This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Applicants are citing selected portions of the co-pending and related applications in accordance with the provisions of 37 C.F.R. § 1.97(a)(2)(iii). Applicants note that the applications with Application No. 10/092,366 [Attorney Docket No. INTV.005A] Application No. 10/092,376 [Attorney Docket No. INTV.006A], Application No. 10/092,353 [Attorney Docket No. INTV.007A], and Application No. 10/092,384 [Attorney Docket No. INTV.008A] share a common detailed description and share the same figures.

Applicants also note that the applications with Application No. 10/092,340 [Attorney Docket No. INTV.009A], Application No. 10/092,375 [Attorney Docket No. INTV.010A], Application No. 10/092,345 [Attorney Docket No. INTV.011A], Application No. 10/092,392 [Attorney Docket No. INTV.012A], Application No. 10/092,383 [Attorney Docket No.

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INTV.013A], and Application No. 10/092,394 [Attorney Docket No. INTV.016A] share a common detailed description and share the same figures.

Applicants further note that the applications with Application No. 10/092,373 [Attorney Docket No. INTV.014A] and Application No. 10/092,339 [Attorney Docket No. INTV.015A] share a common detailed description and share the same figures.

Identification herein is not an admission that any of the foregoing references are prior art to the above-captioned application.

Respectfully submitted,

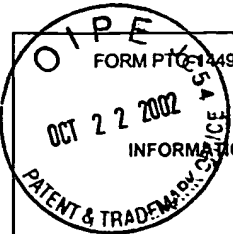
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: October 18, 2002

By: Michael S. Okamoto

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|  FORM PTOL 449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY) | ATTY. DOCKET NO. INTV.011A | APPLICATION NO. 10/092,345 RECEIVED OCT 24 2002 |
| | APPLICANT Kim et al. | |
| | FILING DATE March 5, 2002 | GROUP 2613 Technology Center 2600 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|---------------------|-----------------|----------|-----------------------|-------|----------|---------------------------------|
| | 10/092,366 | 03/05/02 | Kim, et al. | | | |
| | 10/092,376 | 03/05/02 | Katsavounidis, et al. | | | |
| | 10/092,353 | 03/05/02 | Katsavounidis, et al. | | | |
| | 10/092,384 | 03/05/02 | Kim, et al. | | | |
| | 10/092,340 | 03/05/02 | Kim, et al. | | | |
| | 10/092,375 | 03/05/02 | Kim, et al. | | | |
| | 10/092,392 | 03/05/02 | Katsavounidis, et al. | | | |
| | 10/092,383 | 03/05/02 | Zhao, et al. | | | |
| | 10/092,373 | 03/05/02 | Kim, et al. | | | |
| | 10/092,339 | 03/05/02 | Kim, et al. | | | |
| | 10/092,394 | 03/05/02 | Katsavounidis, et al. | | | |

| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |
|---------------------|---|
| | M. Budagavi and J. D. Gibson, "Error propagation in motion compensated video over wireless channels," in Proc. ICIP'97, vol. 2, Oct. 1997, pp. 89-92. |
| | JinGyeong Kim, JongWon Kim and C.-C. Jay Kuo, "An Integrated AIR/UEP Scheme for Robust Video Transmission with a Corruption Model" Paper presented at ITCOM 2001 (Aug. 2001). |
| | Chang-Su Kim, Ph.D. Thesis, "On the Techniques for Robust Transmission of Video Sequence over Noisy Channel" Graduate School of Seoul National University, Department of Electrical Engineering, August 2000 pp. 1-140 |
| | Seung Hwan Kim, Chang-Su Kim, and Sang-Uk Lee, "Enhanced motion compensation algorithm based on second-order prediction," Proc. ICIP-2000, vol. 2, pp. 875-878, Sept. 2000. |
| | Chang-Su Kim, Rin-Chul Kim, and Sang-Uk Lee, "Robust transmission of video sequence using double-vector motion compensation," IEEE Transactions on Circuits and Systems for Video Technology, vol. 11, no. 9, pp. 1011-1021, Sept. 2001. |
| | Lifeng Zhao, Jitae Shin, JongWon Kim, and C.-C. Jay Kuo, "FGS MPEG-4 video streaming with constant quality rate adaptation, prioritized packetization and differentiated forward," in Proc. SPIE ITCOM 2001: Video Technologies for Multimedia Applications, Denver, CO, Aug. 2001. |
| | Lifeng Zhao, JongWon Kim, and C.-C. Jay Kuo, "MPEG-4 FGS video streaming with constant-quality rate control and differentiated forwarding," in Proc. SPIE Visual Communications and Image Processing 2002, San Jose, CA, Jan. 2002. |

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|--|-----------------|
| EXAMINER | DATE CONSIDERED |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | |

2613 #0
10/28/02
PATENT

Case Docket No. INTV.011A

Date: October 18, 2002



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Group Art Unit 2613

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: United States Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202, on

October 18, 2002

Michael S. Okamoto
(Date)

Michael S. Okamoto, Reg. No. 47,831

TRANSMITTAL LETTER

United States Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

ATTENTION: APPLICATION BRANCH

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) A Supplemental Information Disclosure Statement.
- (X) A PTO Form 1449 with eighteen (18) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

Michael S. Okamoto

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EAA